

Focus Area 1: Access to Quality Health Services

Objective 1-9a calls for reduction in the hospitalization rate for pediatric asthma to 17.3 per 10,000 population under age 18 years.

Hospital discharge data for 2000 indicates a total of 16,474 discharges among California residents of this age group with a principal diagnosis of asthma (Figure 1-9a, Table 1-9a). This translates to a rate of 17.8 hospitalizations per 10,000 population under age 18. During 2001, a total of 14,481 discharges for pediatric asthma were reported at a rate of 15.5 per 10,000; during 2002, a total of 15,117 discharges were reported at a rate of 16.0 per 10,000; and during 2003, a total of 14,708 discharges were reported at a rate of 15.4 per 10,000 population under age 18. Statewide rates for the period 2001-2003 were below the HP2010 target, and this objective is being achieved.

The asthma hospitalization rate for males under 18 years of age were 22.1 per 10,000 in 2000, 19.2 per 10,000 in 2001, 20.0 per 10,000 in 2002, and 19.1 per 10,000 in 2003. Male hospitalization rates were significantly higher than the rates for females under 18 (13.2 per 10,000 in 2000, 11.6 per 10,000 in 2001, 11.8 per 10,000 in 2002, and 11.6 per 10,000 in 2003). The HP2010 objective is thus being met for California females, but not for males.

Examined by race and ethnicity, the highest pediatric asthma hospitalization rates were found for Blacks/African Americans (55.1 per 10,000 in 2000, 44.0 per 10,000 in 2001, 45.7 per 10,000 in 2002, and 39.8 per 10,000 in 2003). These rates were significantly higher than the rates for all other racial and ethnic populations. The HP2010 objective is being met for all racial and ethnic populations in California except for African Americans/Blacks.

For more information on asthma, visit the CDHS Asthma Program Web site at:

http://www.dhs.ca.gov/ps/cdic/cdcb/medicine/Asthma/index_1.htm

For more information on pediatric asthma hospitalizations, see the OSHPD Disparities in Healthcare Fact Book at:

http://www.oshpd.ca.gov/HQAD/links/factbook/Fact%20Book%202003_3.pdf

For more information on Healthy People 2010 objective 1-9a, please visit:

http://www.healthypeople.gov/Document/HTML/Volume1/01Access.htm#_Toc489432815

and

<http://www.healthypeople.gov/Document/html/tracking/od01.htm#clinicalprev>

Figure 1-9a
Pediatric Asthma Hospitalization Rates
Among Persons Under 18
California, 2000-2003

Healthy People 2010 Objective = 17.3

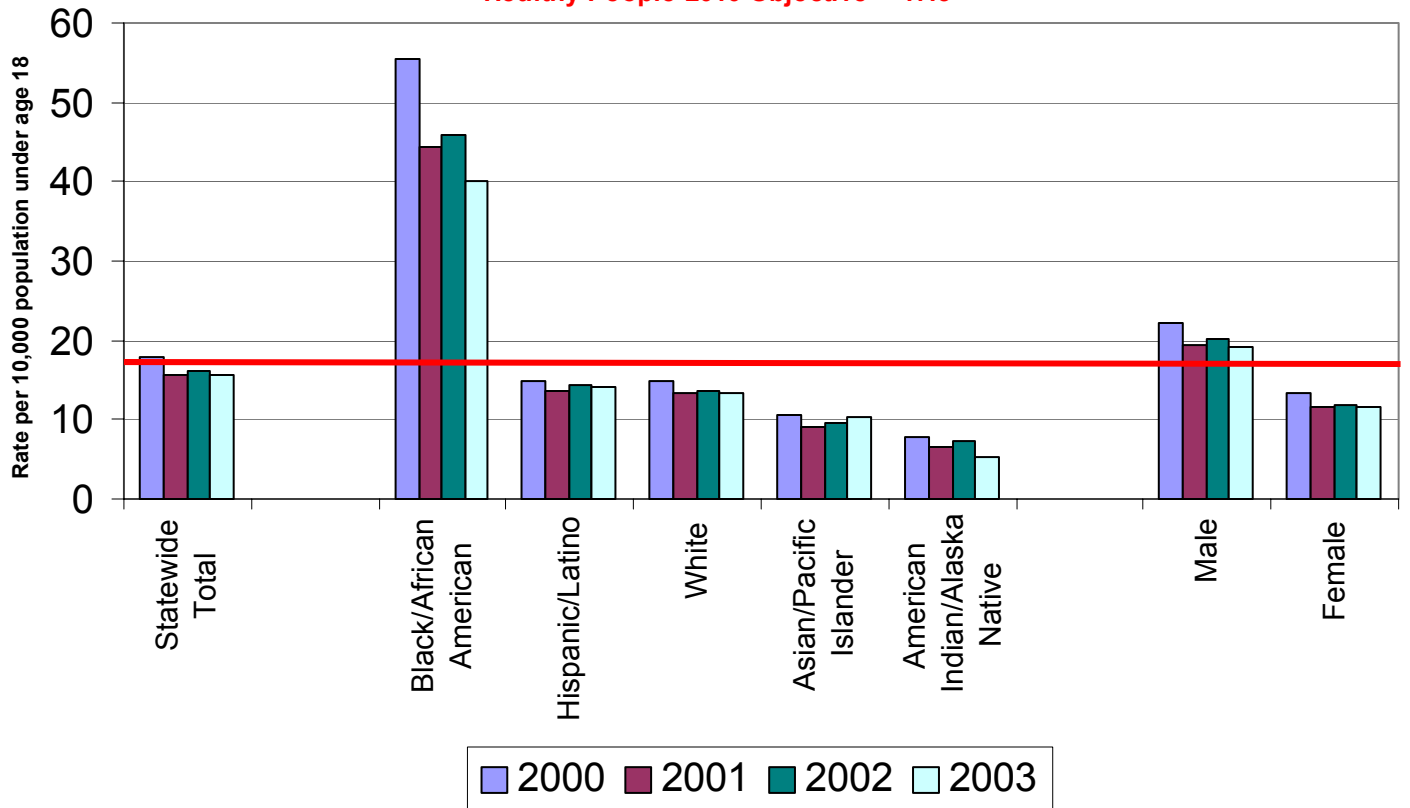


Table 1-9a
Asthma Hospitalization Rates Among Persons Under Age 18
California, 2000-2003

Pediatric Asthma Hospitalizations*	2000				2001			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 1-9a		17.3				17.3		
CALIFORNIA TOTAL	16,474	17.8	17.5	18.1	14,481	15.5	15.2	15.7
Race-Ethnicity								
American Indian/Alaska Native	41	7.8	5.4	10.1	38	6.5	4.4	8.6
Asian/Pacific Islander	954	10.4	9.8	11.1	845	9.2	8.5	9.8
Black/African American	3,669	55.1	53.3	56.9	2,975	44.0	42.4	45.6
Hispanic/Latino	6,059	14.9	14.5	15.3	5,696	13.6	13.3	14.0
White	4,833	14.8	14.4	15.2	4,198	13.1	12.7	13.5
Gender								
Female	5,969	13.2	13.0	13.6	5,279	11.6	11.3	11.9
Male	10,504	22.1	21.8	22.7	9,201	19.2	18.8	19.6

Pediatric Asthma Hospitalizations*	2002				2003			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 1-9a		17.3				17.3		
CALIFORNIA TOTAL	15,117	16.0	15.8	16.3	14,708	15.4	15.2	15.7
Race-Ethnicity								
American Indian/Alaska Native	42	6.8	4.7	8.8	31	4.6	3.0	6.2
Asian/Pacific Islander	882	9.5	8.9	10.2	941	10.2	9.6	10.9
Black/African American	3,123	45.7	44.1	47.3	2,777	39.8	38.4	41.3
Hispanic/Latino	6,079	14.2	13.8	14.5	6,177	14.1	13.7	14.4
White	4,266	13.5	13.1	13.9	4,115	13.1	12.7	13.5
Gender								
Female	5,434	11.8	11.5	12.1	5,402	11.6	11.3	11.9
Male	9,683	20.0	19.6	20.4	9,305	19.1	18.7	19.4

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2003;
CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity
for California and Its Counties 2000-2050, May 2004.

NOTES: * ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record;

¹ Rate per 10,000 population under age 18